

Abstract of the Disclosure

**ELECTRICAL CONNECTOR WITH ELASTOMERIC ELEMENT AND
RESTRAINER MEMBER TO OFFSET RELAXATION OF THE ELASTOMER**

5

An electrical connector includes contact pads on a printed circuit board and contact members on a substrate. The contact members are pressed against the contact pads by a compression mat having compressor fingers. A clamping arrangement forces the compressor fingers against the substrate and thereby presses the contact members against the connector pads. The compression mat is made of elastomeric material, which has a tendency to relax and thus reduce the pressure after the clamping arrangement is tightened. A restrainer member is used to offset this tendency of the polymer to relax. The restrainer member has holes through which the compressor fingers of the compression mat extend.

10